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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/539,881	06/16/2005	Heike Gregorius	09086-00227-US	5005	
34872 BASELL USA	,,,,,	EAAMINER			
INTELLECTUAL PROPERTY 912 APPLETON ROAD ELKTON, MD 21921			LU, C CAIXIA		
			ART UNIT	PAPER NUMBER	
EERTON, ME	, 21, 21		1796		
			MAIL DATE	DELIVERY MODE	
			11/28/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
	10/539,881	GREGORIUS ET AL.				
Office Action Summary	Examiner	Art Unit				
	Caixia Lu	1713_1796				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	l. lety filed the mailing date of this communication. O (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 08 Au	Responsive to communication(s) filed on <u>08 August 2007</u> .					
·=	This action is FINAL . 2b)⊠ This action is non-final.					
, —	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>16-24</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>16-24</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers	,					
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
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Attachment(s)						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 10/31/07. 5) Notice of Informal Patent Application 6) Other:						

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DETAILED ACTION

Continued Prosecution Application

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 8, 2007 has been entered.

Claim Rejections - 35 USC § 103

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. Claims 16-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suhm et al. (WO 01/46274, the equivalent US 2003/0130443 is referred hereinafter).

Suhm's paragraphs [0311] to [0313] on page 14 as cited in the previous Office action teaches a process for making a supported catalyst comprising (i) reacting silica and methylaluminoxane (MAO) in a solution to provide a treated silica; subsequently (ii) contacting the solution of dimethylsilanediylbis(2-methyl-4,5-benzindenyl)zirconium dichloride and MAO with the treated silica to provide a slurry, and (iii) distilling off the solvent in vacuo to provide free-flowing catalyst particulate. It is understood that aluminoxane used in the lab is actually a mixture of aluminoxane and trialkyl aluminum. Therefore, when one of the most the common aluminoxanes, isobutylaluminoxane, is used as the activator, the solution of dimethylsilanediylbis(2-methyl-4,5-

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benzindenyl)zirconium dichloride and isobutylaluminoxane would comprise the product of dimethylsilanediylbis(2-methyl-4,5-benzindenyl)zirconium dichloride and isobutylaluminoxane. Furthermore, Suhm expressly teaches that the metallocene catalyst composition may also comprise a further metallic compound alkylating component and triisobutylaluminum is exemplified as one of the preferred embodiments. Therefore, it would have been obvious to a skilled artisan to alkylate the chlorinated metallocene (which often has poor solubilities in hydrocarbons) to provide the alkylated metallocene with improved solubilities in the reaction media since the alkylated metallocene is more readily activated by activators such as aluminoxanes and borates and to provide a supported catalyst with minimized unsupported metallocene and thus reduce fouling during the polymerization process and in the absence of any showing criticality and unexpected results. When the alkylated metallocene prepared by treating the chlorinated metallocenes with alkyl aluminum is used to prepare the catalyst composition, the teaching of the cited prior art meets the limitation of the instant claims.

Response to Arguments

4. Applicant's arguments with respect to the pending claims have been considered but are most in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caixia Lu whose telephone number is (571) 272-1106. The examiner can normally be reached on 9:00 a.m. to 5:30 p.m..

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Caixia Lu, Ph. D. Primary Examiner Art Unit 1713